

Test Report No. 3584621

Date : 8-Jun-2017

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Client : Hachanna Co.,Ltd
344/26 Sathupradit26 , Sathupradit Rd.,
Bangpongpang, Yannawa District Bangkok 10120 Thailand

The following sample(s) was/were submitted and identified by client as:

Sample Name : Nabe Pot
 Sample No. : 3689692
 Sample Condition : As per attached photograph.
 Quantity Submitted : 30 pcs
 Sample Receiving Date : 2-Jun-2017
 Testing Period : 2-Jun-2017 to 8-Jun-2017

Test Method & Results : Please refer to next page(s).

Test Requested & Result Summary

Test Requested : Please refer to the result summary (Test parameter(s) was/were selected by client).

Result Summary:

| Test Requested | Conclusion |
|---|------------|
| Commission Regulation (EU) No 10/2011 of 14 January 2011 and hence Article 3 of European Regulation No. 1935/2004 | -- |
| a) Plastic - Overall migration | |
| 3% Acetic Acid (W/V) Aqueous Solution | PASS |
| 10% Ethanol (V/V) Aqueous Solution | PASS |
| 95% Ethanol | PASS |
| Isooctane | PASS |
| b) Plastic - Specific Migration of Heavy Metal | PASS |

Remark: 1.Test results in this report are applicable for the item tested and reflects the tested sample as received.
 2.The migration results are based on the 1st migration.

Signed for and on behalf of
SGS (Thailand) Limited



Rutchuporn Mungsom
Laboratory manager - Toy and Hardgood

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TEST RESULTS

Testing as per Commission Regulation (EU) No 10/2011

a) Plastic - Overall migration

Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test method;
EN 1186-9:2002 aqueous food simulants by article filling method;
EN 1186-14:2002 substitute test.

| Simulant Used | Test Condition | Result (1) (mg/dm ²) | Reporting Limit (mg/dm ²) | Permissible Limit (mg/dm ²) |
|---------------------------------------|-------------------------|-------------------------------------|--|--|
| 3% Acetic Acid (W/V) Aqueous Solution | 4 hours at 100 Degree C | ND | 3.0 | 10 |
| 10% Ethanol (V/V) Aqueous Solution | 4 hours at 100 Degree C | ND | 3.0 | 10 |
| Fatty food substitute | - | - | - | - |
| 95% Ethanol | 6 hours at 60 degree C | ND | 3.0 | 10 |
| Isooctane | 4 hours at 60 degree C | ND | 3.0 | 10 |
| Comment | -- | PASS | -- | -- |

Sample Description :

1.Metal with black teflon coating (inside)

Note :

1. mg/dm² = milligram per square decimeter
2. Degree C = degree Celsius
3. ND = Not Detected
4. Permissible Limit is according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.

Remark :

1. Analytical tolerance of aqueous simulants is 1mg/dm² or 6mg/kg
2. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
3. Test condition & simulant were specified by client.

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TEST RESULTS
European Commission Regulation (EU) No 10/2011
b) Plastic - Specific Migration of Heavy Metal

Method: Sample preparation in 3% acetic acid (w/v) in aqueous solution at 100 Degree C for 4 hours with reference to EN 13130-1:2004 ; followed by analysis using Inductively Coupled Argon Plasma Spectrometry (ICP).

| Test Item | Result (1) (mg/kg) | Reporting Limit (mg/kg) | Permissible Limit (mg/kg) |
|----------------------------------|-----------------------|----------------------------|------------------------------|
| Specific Migration of Aluminium* | 0.17 | 0.1 | 1** |
| Specific Migration of Barium | ND | 0.25 | 1 |
| Specific Migration of Cobalt | ND | 0.05 | 0.05 |
| Specific Migration of Copper | ND | 0.25 | 5 |
| Specific Migration of Iron | ND | 0.25 | 48 |
| Specific Migration of Lithium | ND | 0.5 | 0.6 |
| Specific Migration of Manganese | ND | 0.25 | 0.6 |
| Specific Migration of Zinc | ND | 0.5 | 5** |
| Comment | PASS | -- | -- |

Sample Description :

1. Metal with black teflon coating (inside)

Note :

1. mg/kg = miligram per kilogram of foodstuff in contact with
2. Degree C = degree Celsius
3. ND = Not Detected
4. Test condition & simulant were specified by client.
5. ** = The limits of aluminium and zinc according to Commission Regulation (EU) 2016/1416 shall be applied from 14 September 2018.

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SAMPLE/ATTACHMENT PICTURE



***** End of Report *****

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